Person

Person

- first_name
- last_name
- email
- password

+ Login()
+ Register()
+ GetFirstName()
+ GetLastName()
+ GetEmail()
+ GetPassword()
+ SetFirstName()
+ SetLastName()
+ SetEmail()
+ SetPassword()

Inherits

Player

Player

- ID
- Username

+ UpdateInfo()
+ RemovePlayer()
+ JoinTeam()
+ GetID()
+ GetUsername()
+ SetUsername()

Employee

Employee

- Employee_ID

+ UpdatePlayerDetails()
+ UpdateTeamDetails()
+ UpdateScores()
+ UpdateTournamentDetails()
+ GetEmployeeID()

Plays for

1

Teams

Teams

- Team_name

+ SignUpForTournament()
+ AddPlayer()
+ RemovePlayerFromTeam()
+ GetMatchResults()
+ GetTournamentInfo()
+ GetTeamName()
+ SetTeamName()

8 Play

8

Participates in

Match

Match

- Team_1
- Team_2
- Match_Date
- Team_1_Score
- Team_2_Score

+ GetTeams()
+ GetMatchDate()
+ GetScores()
+ SetTeam1Score()
+ SetTeam2Score()
+ SetMatchDate()

Tournament

Tournament

- Start_Date
- Registration_Start_Date
- Registration_End_Date
- Maximun_Participants
- Venue
- Platform
- Game

+ AddTeam()
+ GenerateFixtures()
+ UpdateTournamentDetails()
+ GetStartDate()
+ GetRegistrationStartDate()
+ GetRegistrationEndDate()

+ GetMaximumParticipants()
+ GetVenue()
+ GetPlatform()
+ GetGame()
+ SetStartDate()
+ SetRegistrationStartDate()
+ SetRegistrationEndDate()
+ SetMaximumParticipants()
+ SetVenue()
+ SetPlatform()
+ SetGame()

+ GetMaximumParticipants()

+ GetVenue()

+ GetPlatform()

+ GetGame()

+ SetStartDate()

+ SetRegistrationStartDate()

+ SetRegistrationEndDate()

+ SetMaximumParticipants()

+ SetVenue()

+ SetPlatform()

+ SetGame()